AMENDMENTS TO CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Previously Presented) An adjustable support mechanism comprising:

a first bracket;

a second bracket;

a connecting member pivotally coupled to the first bracket at a first position and pivotally coupled to

the second bracket at a second position spaced from the first position; and

a linking member coupled to the connecting member so as to be movable transversely in relation to

the connecting member,

wherein the linking member is arranged to engage the first bracket and the second bracket such that

pivotal movement of the first bracket in a first rotational direction is related to transverse

movement of the linking member, which is in turn related to pivotal movement of the second

bracket also in the first rotational direction.

2. (Previously Presented) An adjustable support mechanism comprising:

a first bracket;

a second bracket;

a connecting member pivotally coupled to the first bracket at a first position and pivotally coupled to

the second bracket at a second position spaced from the first position;

a linking member coupled to the connecting member so as to be movable transversely in relation to a

line between the first position and the second position;

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wherein the linking member is arranged to engage the first bracket such that pivotal movement of the

first bracket in a first rotational direction is related to transverse movement of the linking

member in a first transverse direction,

wherein the linking member is also arranged to engage the second bracket such that pivotal

movement of the second bracket in the first rotational direction is also related to the transverse

movement of the linking member in the first transverse direction.

3. (Cancelled)

4. (Cancelled)

5. (Previously Presented) The support mechanism according to claim 1, wherein said first bracket and

said second bracket are each coupled to said connecting member with a screw drive mechanism, said screw

drive mechanism comprising a cylinder with a periphery.

6. (Previously Presented) The support mechanism according to claim 5, wherein said linking

member comprises a first end and a second end, said first and second ends having collars formed

thereon engaging said first bracket and said second bracket by receiving and circumferentially

surrounding said cylinders.

7. (Previously Presented) The support mechanism according to claim 6, wherein said cylinders

comprise a helical groove extending around said periphery.

8. (Previously Presented) The support mechanism according to claim 7, wherein said collars further

comprise an inwardly projecting follower pin that is received by the groove in the cylinder of

said screw drive.

9. (Previously Presented) The support mechanism according to claim 8, wherein the groove in the

cylinder of said screw drive has a direction of rotation that is the same for each of said first

bracket and said second bracket such that pivotal rotation of one of said brackets causes

corresponding pivotal rotation in the other of said brackets.

10. (Previously Presented) The support mechanism according to claim 8, wherein the groove in the

cylinder of said screw drive has a pitch that is the same for each of said first bracket and said

second bracket such that pivotal rotation of one of said brackets causes corresponding pivotal

rotation in the other of said brackets.

11. (Previously Presented) The support mechanism according to claim 5, wherein said cylinder

comprises a plurality of parallel grooves, each of said grooves making less than a complete

rotation around said periphery, and wherein said linking member comprises a first end and a

second end, each of said ends comprising a plurality of follower pins, each of which project into

a corresponding one of said parallel grooves.

12. (Previously Presented) The support mechanism according to claim 5, wherein the periphery of

said cylinder comprises one or more grooves, and wherein said linking member comprises a first

end and a second end, said first and second ends having a half nut or full nut attached thereto,

said half nut or full nut having an inwardly projecting thread on an inside surface thereof for

engaging said one or more grooves.

13. (Previously Presented) The support mechanism according to claim 5, wherein the periphery of

said cylinder comprises a helical mesh teeth arrangement, said linking member is pivotally

connected to said connecting member, and wherein said linking member comprises a first end

and a second end, said first and second ends having a helical mesh teeth arrangement for

engaging the helical mesh teeth arrangement formed in the periphery of said cylinders, thereby

forming a helical crossed gear arrangement.

14. (Previously Presented) The support mechanism according to claim 5, wherein said mechanism

comprises two linking members, each of said linking members having a first end and a second

end, said ends having collars formed thereon engaging said first bracket and said second bracket

by receiving and circumferentially surrounding said cylinders.

15. (Previously Presented) The support mechanism according to claim 14, wherein said cylinders

each comprise a helical groove extending around said periphery, and wherein said helical groove

has directions of rotation toward either end of said screw drive that are opposite in direction such

that rotation of the screw drive in one direction causes said linking members to move toward one

another and rotation of the screw drive in an opposite direction causes said linking members to

move apart from one another.

16. (Previously Presented) The support mechanism according to claim 1, further comprising biasing

means for biasing said linking member to a rest position.

17. (Previously Presented) The support mechanism according to claim 1, further comprising a locking mechanism.

18. (Previously Presented) The support mechanism according to claim 15, wherein said first bracket and said second bracket are each coupled to said connecting member with a drive mechanism comprising a cylinder having a shaft extending therethrough and further extending through a sidewall of said connecting member, and wherein said locking mechanism comprises a knob with a jam on an inner face thereof, said knob being threadingly connected to said shaft such that when the knob is rotated in one direction, said jam contacts the sidewall of said connecting member, thereby preventing rotation of said bracket.

19. (Previously Presented) The support mechanism according to claim 15, wherein said locking mechanism is engaged by a weight on one of said first bracket and said second bracket.

20. (Cancelled)

21. (Previously Presented) An adjustable support mechanism comprising:

a first bracket having a screw drive;

a second bracket having a screw drive;

a connecting member having a first end and a second end, the first end of the connecting member pivotally engaging the first bracket, the second end of the connecting member pivotally engaging the second bracket; and

a linking member having a first end and a second end, the first end of the linking member coupling the screw drive of the first bracket, the second end of the linking member coupling the screw

drive of the second bracket, such that rotation of the first bracket drives the first and second

ends of the linking member to move in a transverse direction relative to the connecting

member, such that the transverse movement of the second end of the linking member drives

the second bracket to rotate.